

Application No. 10/660,706
Reply dated April 5, 2005
Response to Office Action dated December 8, 2004

AMENDMENTS TO THE SPECIFICATION:

The title has been amended as follows:

**HYDRAULIC NUT, DEVICE AND METHOD FOR MOUNTING OR
DISMOUNTING A HOLLOW ARTICLE**

Please add the following new paragraph after paragraph [0028]:

[0028.1] Fig. 7 is a flowchart illustrating the operation of the embodiment shown in Fig. 6.

Please replace paragraph [0030] with the following amended paragraph:

[0030] Turning now to Fig. 2, there is shown bearing assembly 50 mounted on tapered shaft 52 to the point where it cannot be axially moved further [[/]] by hand force alone or a predetermined distance well-known in the art as bearing to bearing seat line to line distance so it overhangs beyond the shoulder 36 of the shaft 52 by an amount “ ℓ ”. Nut body 12 is screwed onto threaded shaft 68 with piston 16 seated in chamber 18 and lugs 22 protruding radially outwardly from piston 16. Displacement bar 26 extends across the peripheral face 38 of nut body 12. Nut body 12 has a thickness “T”. The length “L” of displacement bar 26 is denoted by the relationship $L=T+a$. Thus, as can be seen in Fig. 2, the end of displacement bar 26 overhangs the nut body 12 by an amount equal to “a”. It will be recognized by those skilled in the art that ℓ must be greater than “a” by a predetermined distance.

Please replace paragraph [0033] with the following amended paragraph:

[0033] Another embodiment is shown in Fig. 6, and its operation is illustrated in Fig. 7. In this embodiment, [[where]] a removal sleeve 86 is mounted on a shaft 52 with a bearing assembly 50 then mounted on removal sleeve 86. A hydraulic nut 10 is mounted on threaded end 68 of shaft 82 in the

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usual manner. Piston 16 bears against the end of removal sleeve 86. Inner ring 54 of bearing assembly 50 is restrained from movement by ring 88 which rests against face 85 of shaft 82. When piston 16 pushes removal sleeve 86, inner ring 54 cannot move axially so removal sleeve 86 is forced between shaft 82 and inner ring 54, thereby radially separating the bearing assembly 50 from the shaft 82.